

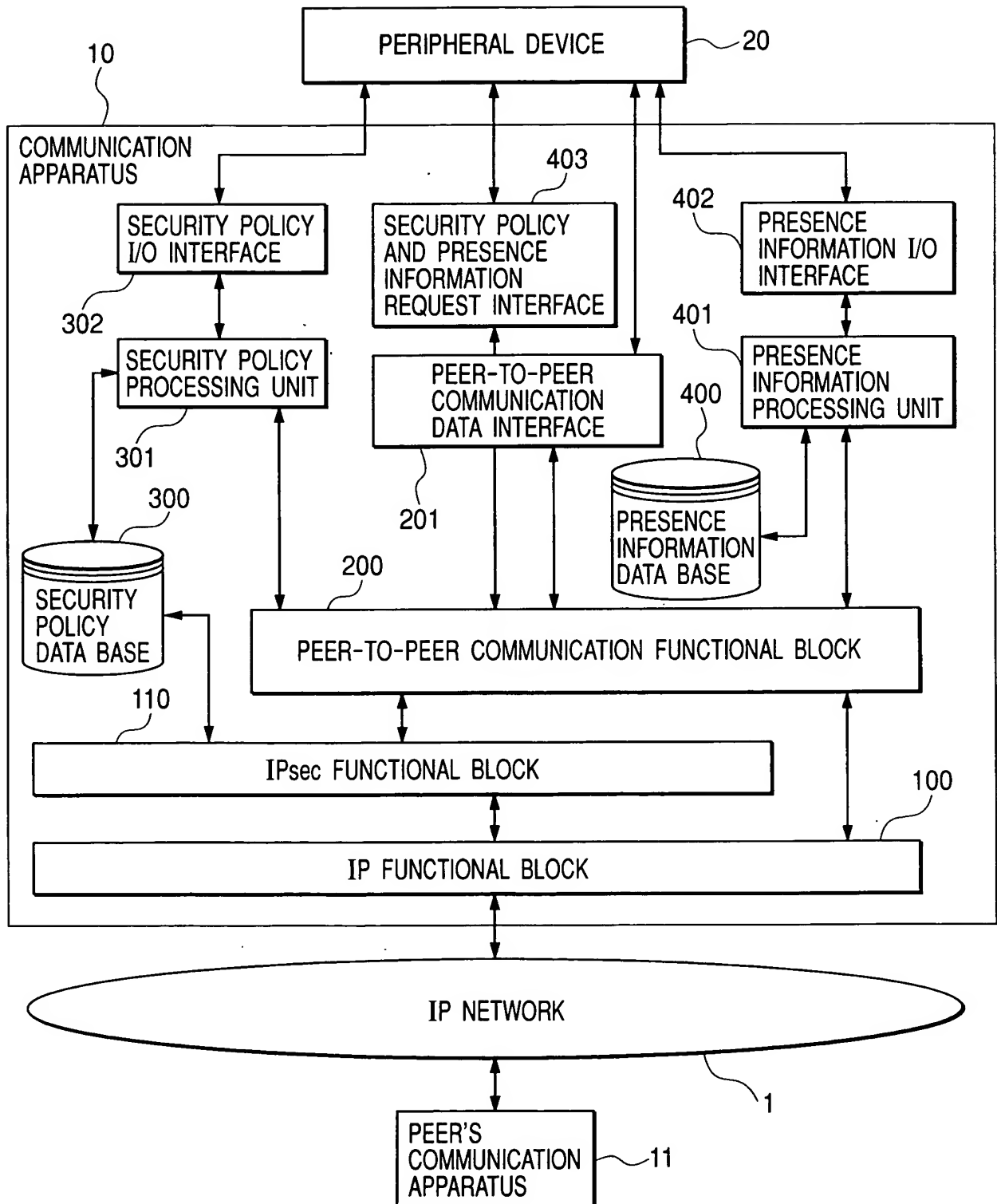
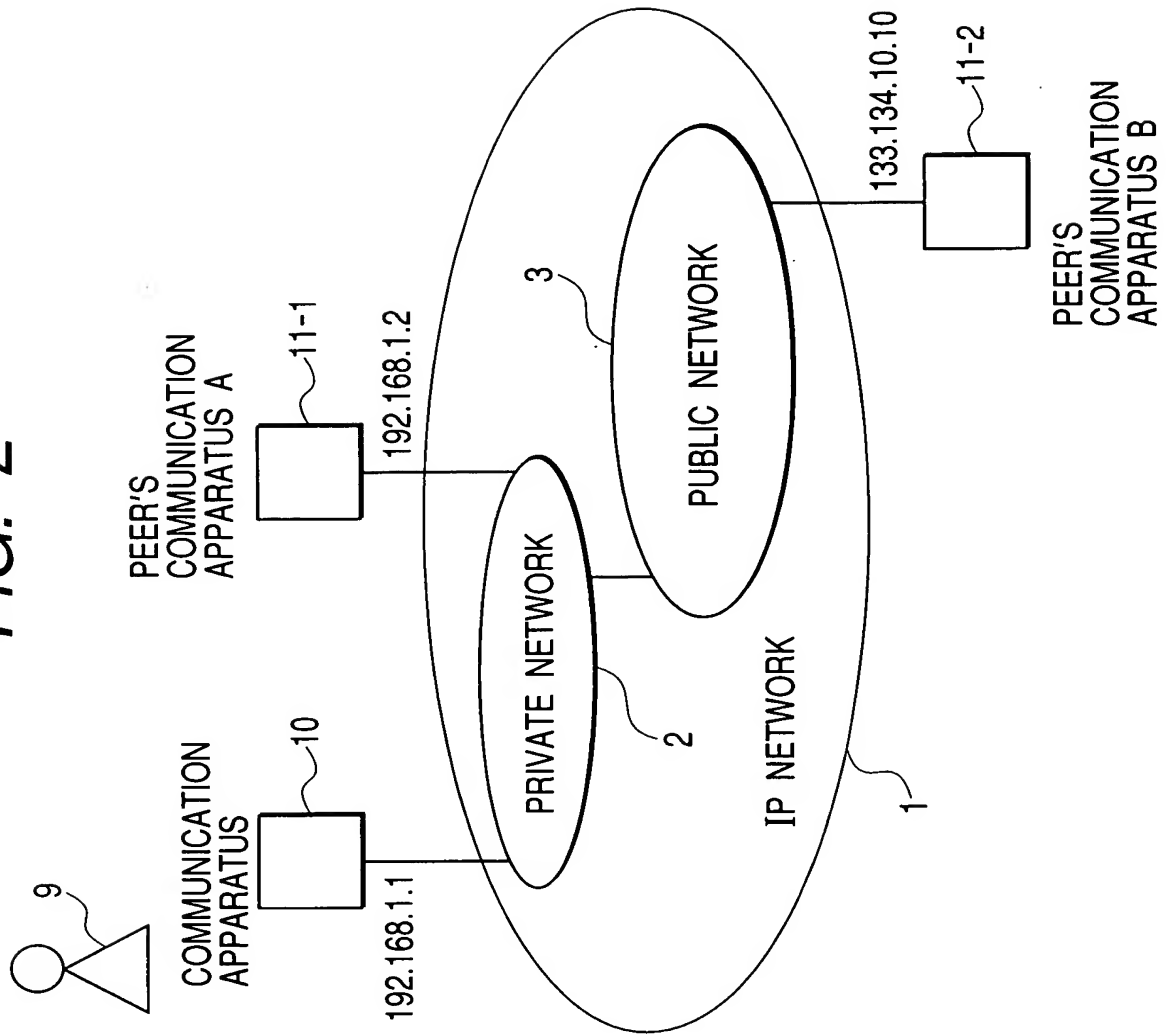
**FIG. 1**

FIG. 2



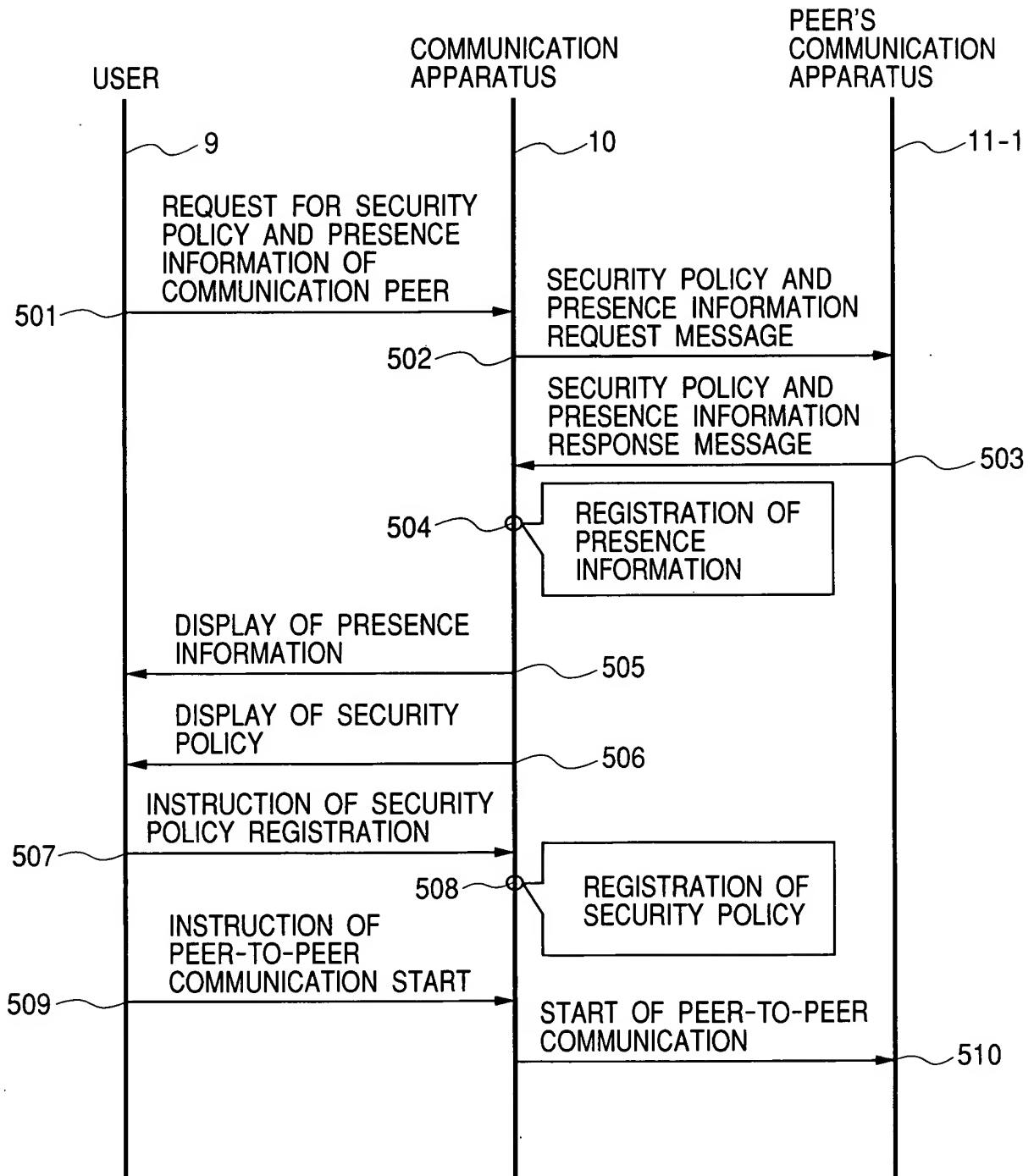
**FIG. 3**

FIG. 4

410

411

POLICY REQUEST

COMMUNICATION PEER:

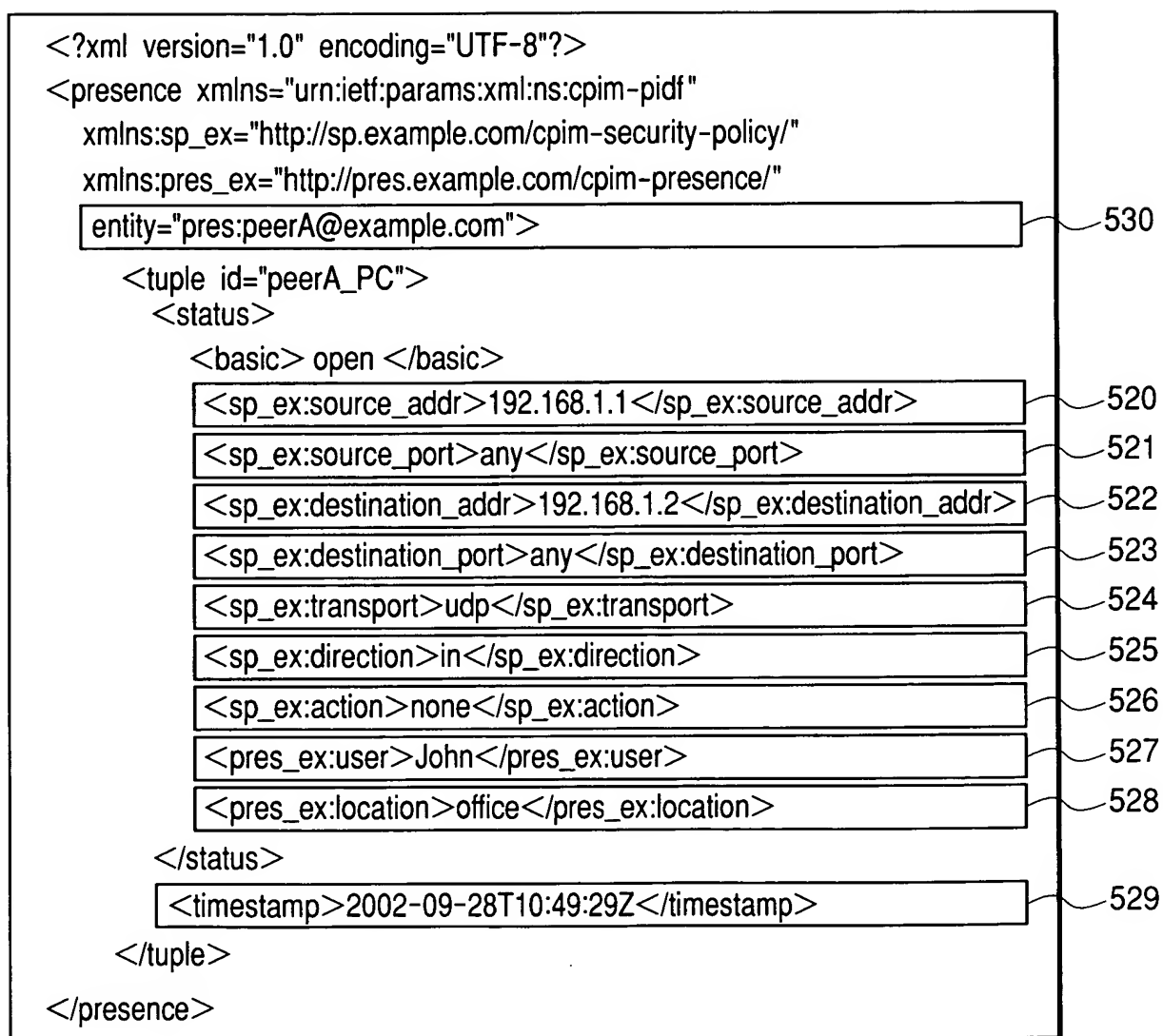
192.168.1.2

412 ☒ SECURITY POLICY

413 ☒ PRESENCE INFORMATION

OK 414

CANCEL 415

**FIG. 5**

**FIG. 6**

PRESENCE INFORMATION  
DATA BASE 400

620 ENTITY	621 IP ADDRESS	622 USER NAME	623 LOCATION	624 TIME
peerA@example.com	196.128.1.2	John	office	2002-09-28 10:49:29
...	...	...	...	...

**FIG. 7**

SECURITY POLICY  
DATA BASE 300

710 SOURCE	711	712 DESTINATION	713 TRANSPORT LAYER PROTOCOL	714 DIRECTION	715 ACTION	716 PROTOCOL	717 MODE	718 END POINT	719 LEVEL
IP ADDRESS	PORT NO.	IP ADDRESS	PORT NO.						
192.168.1.1	any	192.168.1.2	any	udp	out	—	—	—	—
...	...	...	...	...	...	...	...	...	...

300-1

**FIG. 8**

800

810 811 812 813

POLICY INFORMATION ☐

SECURITY POLICY

SOURCE ADDRESS: 192.168.1.1 PORT: ☐  ☒ any

DESTINATION ADDRESS: 192.168.1.2 PORT: ☐  ☒ any

TRANSPORT LAYER: ☐ tcp ☒ udp ☐ any

818 DIRECTION: ☐ in ☒ out

821 ACTION: ☐ discard ☒ none ☐ ipsec

823 824 825

PROTOCOL: ☐ ah ☐ esp ☐ ipcomp

829 826 827 830 828

MODE: ☐ transport ☐ tunnel

831

END POINT:

LEVEL: ☐ default ☐ use ☐ require

832 833 834

REGISTER CANCEL

835 836

FIG. 9

900

×

PRESENCE INFORMATION

PRESENCE INFORMATION

910 entity: peerA@example.com 917

911 IP ADDRESS: 192.168.1.2 918

912 USER NAME: John 919

913 LOCATION: office 920

914 TIME: 2002-09-28 10:49:29 921

915 OK 916 CANCEL



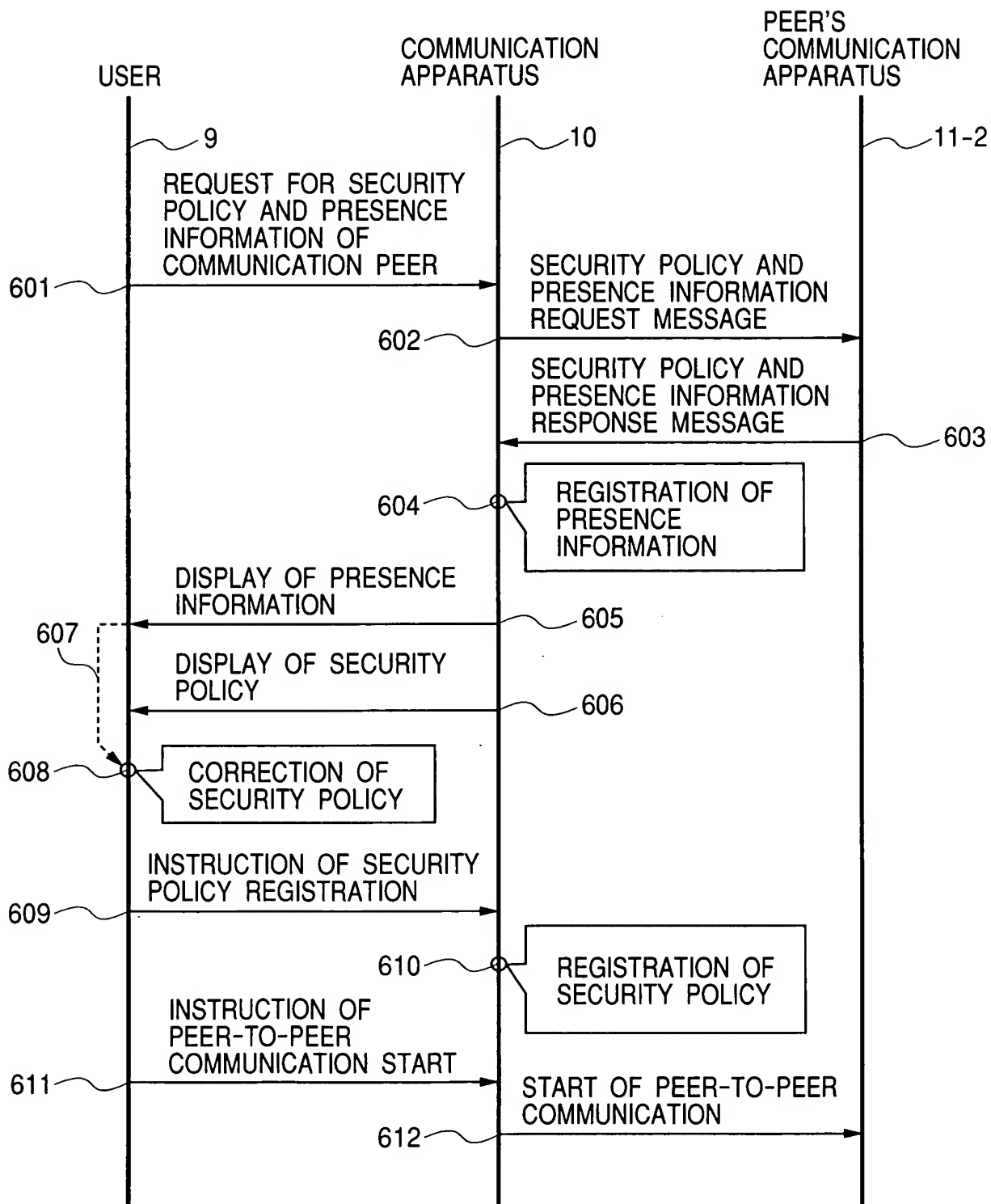
**FIG. 10**

FIG. 11

1100

×

PRESENCE INFORMATION

PRESENCE INFORMATION

entity: peerB@example.com

IP ADDRESS: 133.134.10.10

USER NAME: Bob

930 LOCATION: external

TIME: 2002-09-28 16:15:46

OK

CANCEL

**FIG. 12**

1200

**POLICY INFORMATION** [X]

**SECURITY POLICY**

SOURCE ADDRESS:  PORT: ☐  ☒ any

DESTINATION ADDRESS:  PORT: ☐  ☒ any

TRANSPORT LAYER: ☐ tcp ☒ udp ☐ any

DIRECTION: ☐ in ☒ out

ACTION: ☐ discard

850 ☒ none

☐ ipsec

PROTOCOL: ☐ ah ☐ esp ☐ ipcomp

MODE: ☐ transport ☐ tunnel

END POINT:

LEVEL: ☐ default ☐ use ☐ require

**FIG. 13**

1300

POLICY INFORMATION

SECURITY POLICY

SOURCE ADDRESS: 192.168.1.1 PORT: ☐  ☒ any

DESTINATION ADDRESS: 133.134.10.10 PORT: ☐  ☒ any

TRANSPORT LAYER: ☐ tcp ☒ udp ☐ any

DIRECTION: ☐ in ☒ out

ACTION: ☐ discard  
☐ none

860 ☒ ipsec

861 862 863  
PROTOCOL: ☒ ah ☒ esp ☐ ipcomp

864 MODE: ☐ transport ☐ tunnel

END POINT:

LEVEL: ☐ default ☐ use ☒ require

865

REGISTER CANCEL

866